

IRON SHIPS.

No. 1640 Survey held at Stockton Date Began Oct 5 1855
 on the Witch Of The Tees sailing thru Master Charles Bartley Last Survey 5th May 1856
 Tonnage Gross 249 Engine Room Register 214 Built at Stockton
 When Built 1856 By whom built Pearse Lockwood & Co Owners H. Baker & Co Johnson & Co
 Port belonging to London Destined Voyage Australia
 If Surveyed Afloat or in Dry Dock On a Ship Specially While Building

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from Beam to top of Floor	Feet.	Inches.	Horse No.
.....	110	0	22	0	12	9	
Distance between Floors amidships	1	6				Stem, if bar iron, moulding and thickness	6	2	
" " " forward and aft	1	6				" if plate iron, breadth and thickness			
" " Ribs amidships	1	6				Stern-post, if bar iron, moulding and thickness	6	3	
" " " forward and aft	1	6				" " if plate iron, breadth and thickness			
Floors, Size of Angle Iron, and No. <u>all</u> at bottom of Floor Plate	3	2 1/2	6/16			Keel, if bar iron, depth and thickness	6	2	
" depth & thickness of Plate at mid line	13		6/16			" if plate iron, breadth and thickness			
" " " <u>off</u> " at turn of bilge	2 1/2	2 1/2	6/16			Garboard Plates, thickness..	3/16	6/16	at the Ends
" Size of Reversed Angle Iron, and No. at top of Floor Plate	2 1/2	2 1/2	6/16			" to bilge	3/8		9 yds
Ribs, Size of Angle Iron, single or double	3	2 1/2	6/16			Bilge	3/8		
" " Reversed Iron, <u>to</u> every frame or every frame	To the Planksheers					" to Wales	3/8		
Beams, Deck (N ^o . <u>22</u>) double Angle Iron	5	3	6/16			Wales	3/8		
" " depth & thickness of plate amidships	5	3	6/16			Topsides	3/8		
" " double or single Angle Iron, on lower edge	3 feet					Sheerstrakes	3/8		
" " average space between	3 feet					Planksheers	2 1/4		
" " if wood (N ^o .) sided & moulded						Gunwale Plate or Stringer	15	3/8	4 3/8
" Hold, (N ^o . <u>13</u>) double or single Angle Iron	5	3	6/16			Waterway	6 1/2		
" " depth & thickness of plate amidships	5	3	6/16			Deck	Yellow Pine	3	
" " double or single Angle Iron, on lower edge	6 feet					Ceiling in flat	Danne Oak	2 1/4	
" " average space between	6 feet					Bilge Planks inside	Danne Oak	4	
" " if wood (N ^o .) sided & moulded						Ceiling from Bilge to Clamps	Danne Oak	2 1/4	
" Paddle, wood, sided and moulded or if Iron, size of Plate						Hold Beam Clamps			
" Engine						" " Shelf			
Keelson, wood, sided & moulded, iron, size of plate, if Box, give sketch & dimensions	4 1/2	3/8				" " Stringers	15	3/8	4 3/8
" Side or Bilge	6 3/4	1/2				Ceiling between Deck			
" Number	One each side					Stringers			
						Deck Beam Clamps	12	3/8	
						" " Shelf			
						Stringers in Hold			
						Deck, Lower	Red Pine	2 1/2	

Transoms, material Iron or, if none, in what manner compensated for. Plates wrought Round
 Knight-heads English Oak are they free from defects? yes
 Hawse-Timbers English Oak
 The Ribs extend in one length from the Keel to Planksheer rivetted through plates with (3/4 in.) rivets, about (7) apart.
 The reverse angle irons on the floors extend in one length across the middle line from bilge to bilge and to the Planksheers
 " " " on the ribs " " " from the floor to Planksheers every frame
 Keelson, if wood, length of scarp if iron, how are the various lengths connected? well shifted
 Plates, Garboard, double single rivetted to keel, with rivets (7/8 ins.) diameter averaging (3 1/2 in.) from centre to centre of rivet.
 " edges from Garboards to turn of bilge, worked carvel with a lining piece (1/2 in.) thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets.
 " butts from Garboards to turn of bilge, worked carvel with a lining piece (1/2) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? yes
 " edges from bilge to wales, worked carvel with a lining piece () thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/4 ins.) from centre to centre of rivets.
 " butts from bilge to wales, worked carvel with a lining piece (3/8) thick, double or single rivetted; rivets (3/4 in.) diameter, averaging (2 1/4 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below? yes
 " edges of wales and to planksheers, worked carvel with a lining piece () thick, or clencher, double or single rivetted; rivets (3/4 in.) diameter averaging (2 1/4 ins.) from centre to centre of rivets.
 Planksheer, how secured to the plating of the sides { Explain by sketch, }
 Waterway " " planksheer and to the Beams { if necessary. }
 Side trussing breadth and thickness of plates how secured
 Deck trussing 13 x 3/8 " " " "
 Deck Beams, how secured to the side as sketch
 Hold " " the same
 Paddle " "
 No. of breasthooks 5 crutches 3 how are pointers compensated? Angle Iron run up
 What description of iron is used for the angle iron and bar iron in the vessel? the Best



1036 Iron

Workmanship. Are the lands or laps of the clenchwork in all cases sufficiently wide to take the rivets and support the strain on them? *yes*
 Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? *yes*
 Do the fillings between the ribs and plates fill in all solid with sliver pieces, or are they in short lengths? *Solid*
 Do the holes for rivetting plate to lining piece, or plate to plate, &c., answer well to each other? *yes* and are the rivet holes well and sufficiently countersunk in the outer plate? *yes*
 Are there any rivets which either break into or have been put through the seams or butts of the plating? *Some to make good caulking*
 Was the plating caulked internally in the wake of the frames or ribs?

Her Masts, Yards, &c., are in *Good* condition, and sufficient in size and length.

She has SAILS.			CABLES, &c.		ANCHORS, and their weights.		
N ^o .		Fathoms.		Inches.	N ^o .		
2	Fore Sails,	180	Chain	1 1/4	3	Bower,	12.1.16-13.1.0-10.3-21
2	Fore Top Sails,	75	Hempen Stream Cable	2 1/2	1	Stream,	3.0.5
2	Fore Topmast Stay Sails,	80	Hawser	3/4	1	Kedge,	1.3.2
2	Main Sails,	75	Towlines	6			
2	Main Top Sails,	75	Warp	5			
and the Rest as usual			All of <i>Good</i> quality.				

Her Standing and Running Rigging *Good* sufficient in size and *Good* in quality.

She has *One* Long Boat and *Two Others*

The present state of the Windlass is *Good* Capstan *Good* and Rudder *Good* Pumps *Good*

GENERAL REMARKS.

Statement and date of repairs; extent of corrosion (if any) both internally and externally; and condition of rivets.

This Vessel as a Fish Deck and Round house aft She is Rigged a three Masted Schooner as 3 water tight compartments the work throughout is of the best Description She as Reversed Angle Iron to every frame all fore aft Up to the Mainbeams the angle Iron frames and Reversed angle Iron are larger and stronger than required by the rules also the Plating Gorbett Strakes and From bilge to Shear Strakes thicker the beams are made of plain angle Iron the Builders not being able to get built Iron when they were Building of the Vessel

This Vessel is now in good condition in hull and Stores and in a fit State To Carry dry and Perishable cargoes all Over the World and I Recommend Her to be Classed. A1 For 9 years

In what manner are the surfaces preserved from oxidation? *Peacocks Patent*

I am of opinion this Vessel should be classed *A1 For 9 years*

The amount of the Fee£ 3 : 0 : 0 is received by me, *John W Ewen*

Special£ 10 : 14 : 0

Certificate (if required)£ : :

Committee's Minute *9th May* 1856

Character assigned *A1 for 9 years*

I concur in the above recommendation

18th May 1856 J.W.E.

Lloyd's Register Foundation